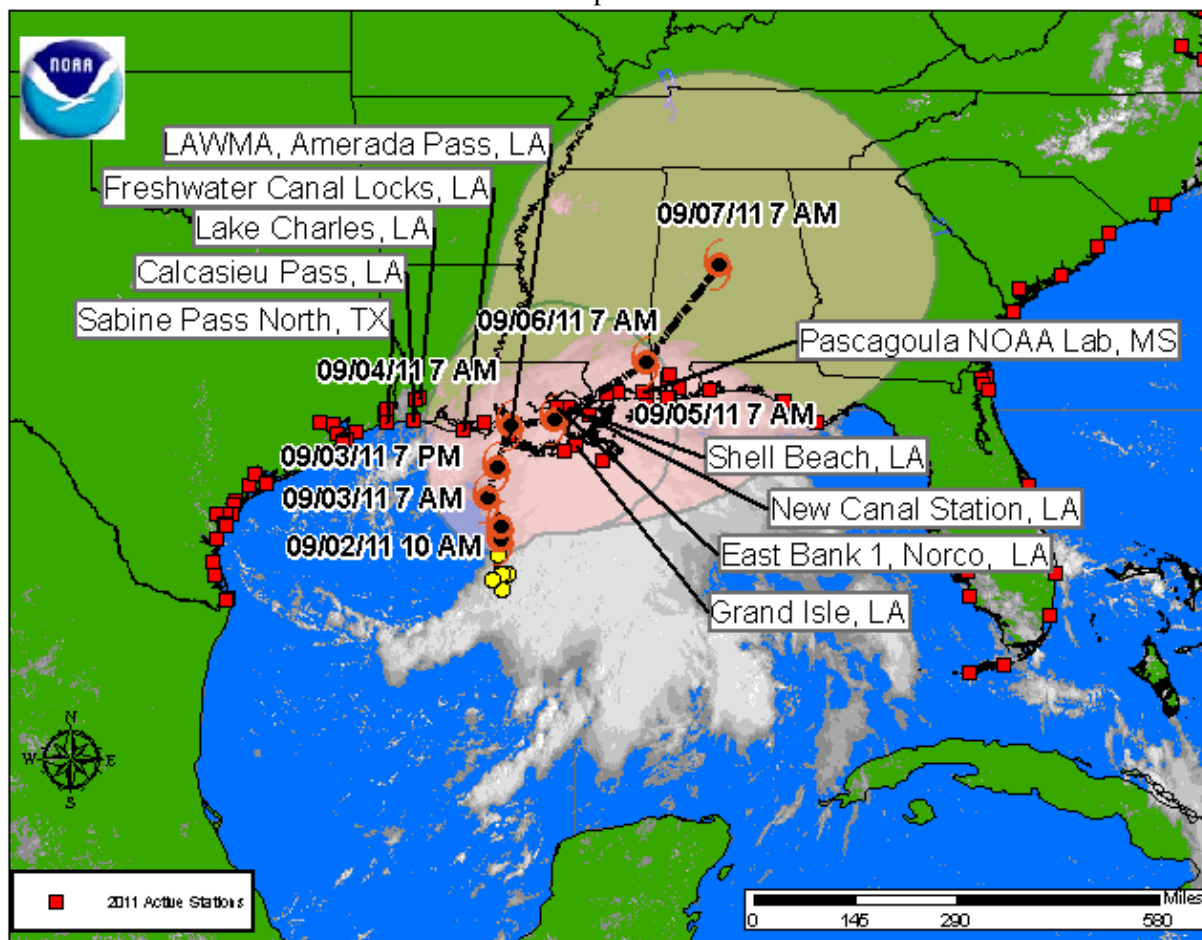




Tropical Depression THIRTEEN QuickLook
Posted: 11:00 CDT 09/02/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/02/2011 11:00 CDT, water levels along the U.S. coast of Gulf of Mexico from Mississippi to eastern Texas are rising and range from 0.7 to 2.0 feet above predicted. Winds are increasing. Wind gusts up to 25-30 knots have been observed at Shell beach, LA and at Freshwater Canal Locks, LA. Barometric pressure is gradually falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.5 ft (0.47 m) at 09/03/2011 01:18 CDT and 1.6 ft (0.51 m) at 09/04/2011 02:30 CDT.

Shell Beach, LA: Next predicted high tides are 1.5 ft (0.46 m) at 09/03/2011 06:12 CDT and 1.6 ft (0.49 m) at 09/04/2011 06:56 CDT.

Tropical Depression THIRTEEN QuickLook, POSTED 11:00 CDT 09/02/2011

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/03/2011 11:04 CDT and 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.12 m) at 09/02/2011 11:37 CDT and 0.4 ft (0.13 m) at 09/03/2011 12:47 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.2 ft (0.38 m) at 09/02/2011 21:39 CDT and 1.0 ft (0.32 m) at 09/03/2011 06:30 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.44 m) at 09/03/2011 02:04 CDT and 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.0 ft (0.60 m) at 09/02/2011 20:46 CDT and 1.8 ft (0.55 m) at 09/03/2011 03:49 CDT.

Lake Charles, LA: Next predicted high tides are 1.1 ft (0.33 m) at 09/02/2011 10:31 CDT and 1.1 ft (0.34 m) at 09/03/2011 01:35 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.0 ft (0.62 m) at 09/02/2011 20:53 CDT and 2.0 ft (0.61 m) at 09/03/2011 05:43 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.8 ft (0.54 m) at 09/02/2011 21:21 CDT and 1.7 ft (0.53 m) at 09/03/2011 06:35 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website.

For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION THIRTEEN ADVISORY NUMBER 4
1000 AM CDT FRI SEP 02 2011

...DEPRESSION NEARLY STATIONARY SOUTH OF THE LOUISIANA COAST...
RAINBANDS MOVING ACROSS MUCH OF SOUTHEASTERN LOUISIANA...

SUMMARY OF 1000 AM CDT...INFORMATION

LOCATION

ABOUT 190 MI SW OF THE MOUTH OF THE MISSISSIPPI RIVER

ABOUT 230 MI SE OF PORT ARTHUR TEXAS

MAXIMUM SUSTAINED WINDS...35 MPH

PRESENT MOVEMENT...NW OR 325 DEGREES AT 2 MPH

MINIMUM CENTRAL PRESSURE...1005 MB

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* PASCAGOULA MISSISSIPPI WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA ...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 AM CDT...THE CENTER OF TROPICAL DEPRESSION THIRTEEN WAS LOCATED NEAR LATITUDE 27.3 NORTH...LONGITUDE 91.5 WEST.

THE DEPRESSION IS DRIFTING TOWARD THE NORTHWEST NEAR 2 MPH...4 KM/H.

A CONTINUED SLOW AND POSSIBLY ERRATIC MOTION TOWARD THE NORTHWEST OR NORTH IS EXPECTED TODAY AND SATURDAY. ON THE FORECAST TRACK...

THE CENTER OF THE CYCLONE IS EXPECTED TO APPROACH THE COAST OF SOUTHERN LOUISIANA DURING THE WEEKEND.

MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH...WITH HIGHER GUSTS. GRADUAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS AND THE DEPRESSION COULD BECOME A TROPICAL STORM LATER TODAY. WINDS OF TROPICAL STORM FORCE ARE BEING REPORTED ON OIL RIGS NORTH AND EAST OF THE CENTER AT ELEVATIONS OF A FEW HUNDRED FEET.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON REPORTS FROM NEARBY OIL RIGS AND AN AIR FORCE RESERVE RECONNAISSANCE AIRCRAFT IS 1005 MB.

HAZARDS AFFECTING LAND

RAINFALL...THE DEPRESSION IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES OVER SOUTHERN LOUISIANA... SOUTHERN MISSISSIPPI...AND SOUTHERN ALABAMA THROUGH SUNDAY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 2 TO 4 FEET

ABOVE GROUND LEVEL ALONG THE NORTHERN GULF COAST IN AREAS OF ONSHORE FLOW.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO FIRST REACH THE COAST WITHIN THE WARNING AREA THIS EVENING...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

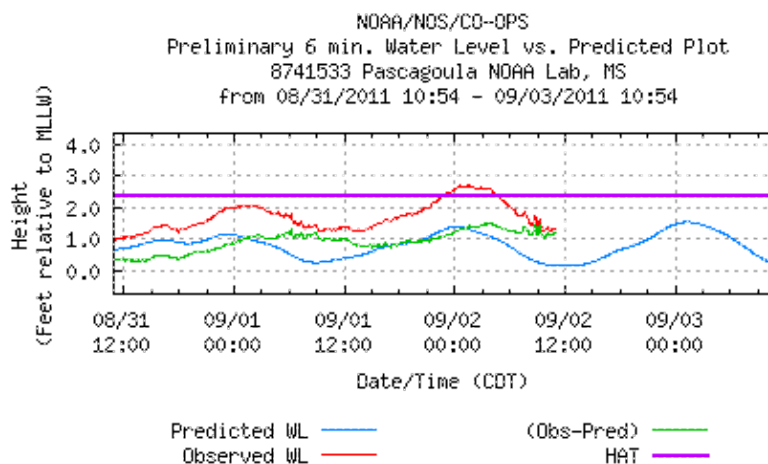
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER PORTIONS OF SOUTHERN LOUISIANA TONIGHT.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pascagoula NOAA Lab - Water Level](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Air/Water Temp](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [New Canal Station - Air/Water Temp](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [East Bank 1, Norco, B. LaBranche - Air/Water Temp](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Freshwater Canal Locks - Air/Water Temp](#), [Lake Charles - Water Level](#), [Lake Charles - Barometric](#), [Lake Charles - Air/Water Temp](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Calcasieu Pass - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#),

Pascagoula NOAA Lab, MS - Return to List

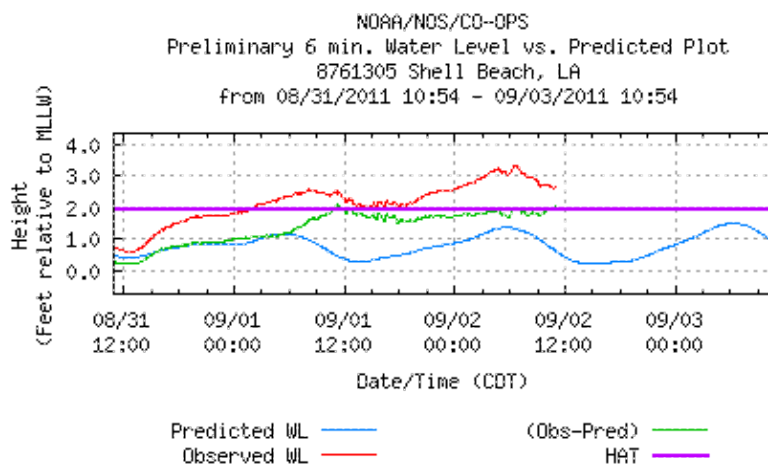


Last Observed Sample: 09/02/2011 10:54 (CDT)

Relative to MLLW: **Observed: 1.34 ft.** **Predicted: 0.16 ft.** **Residual: 1.18 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Shell Beach, LA - Return to List

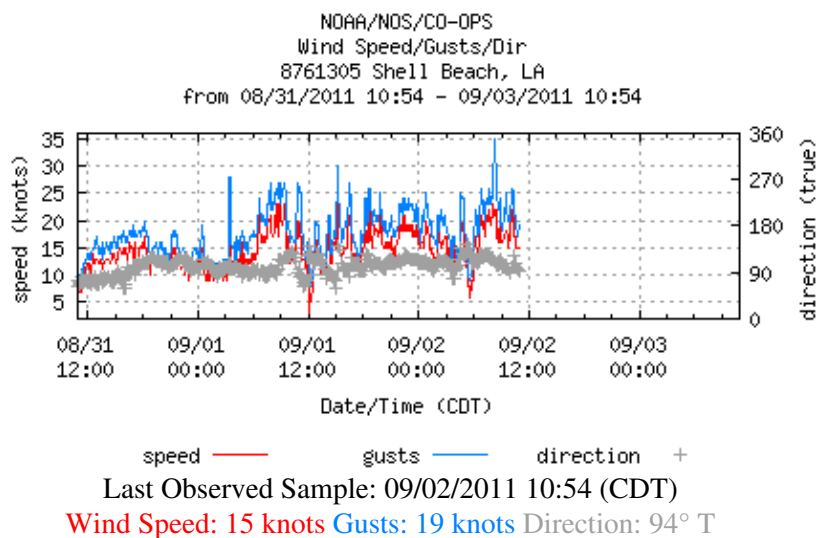


Last Observed Sample: 09/02/2011 10:54 (CDT)

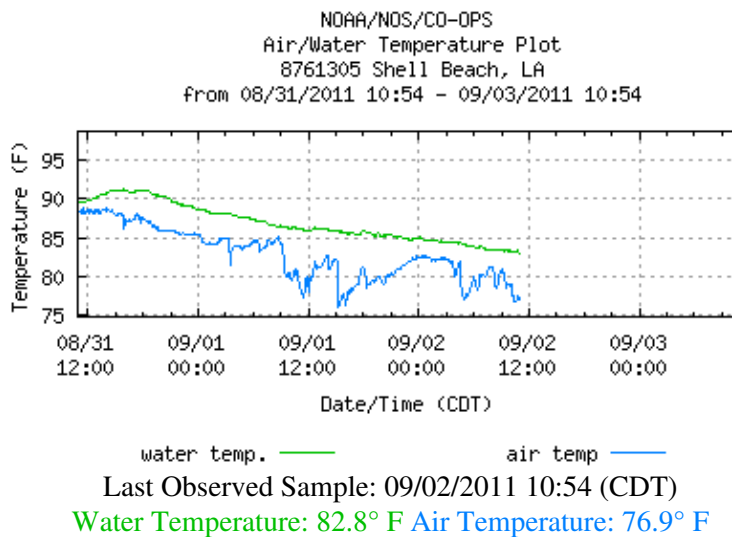
Relative to MLLW: **Observed: 2.67 ft.** **Predicted: 0.63 ft.** **Residual: 2.04 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

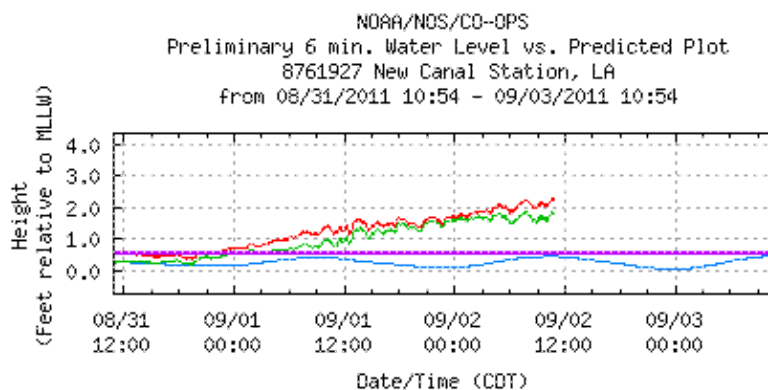
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



[New Canal Station, LA - Return to List](#)



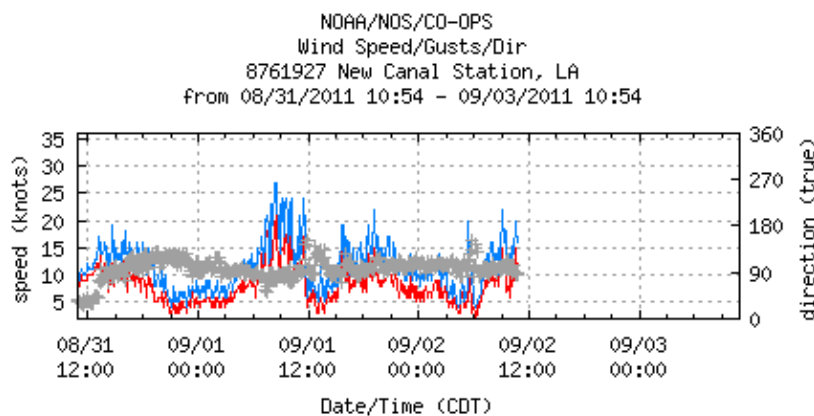
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/02/2011 10:48 (CDT)

Relative to MLLW: **Observed: 2.25 ft.** **Predicted: 0.44 ft.** **Residual: 1.81 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

[New Canal Station, LA - Return to List](#)

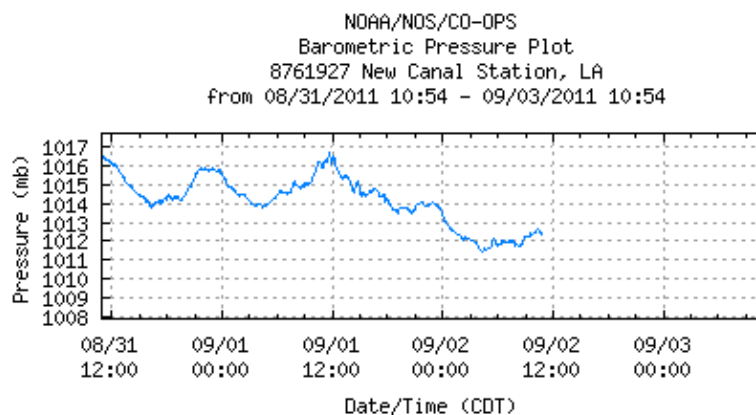


speed — gusts — direction +

Last Observed Sample: 09/02/2011 10:48 (CDT)

Wind Speed: 12 knots **Gusts: 16 knots** Direction: 84° T

New Canal Station, LA - Return to List

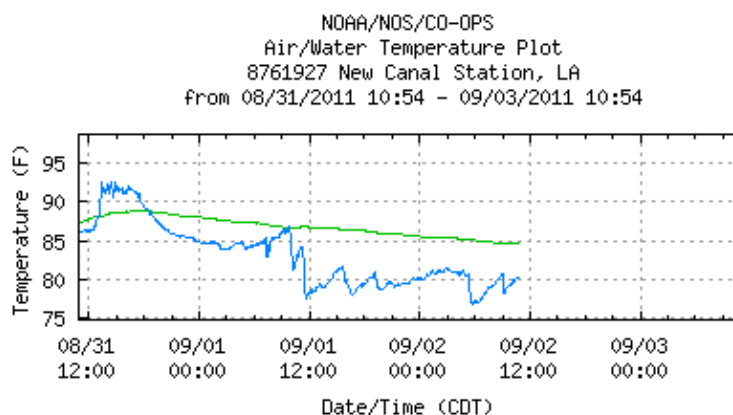


barometric pressure —

Last Observed Sample: 09/02/2011 10:48 (CDT)

Barometric Pressure: 1012.3 mb

New Canal Station, LA - Return to List

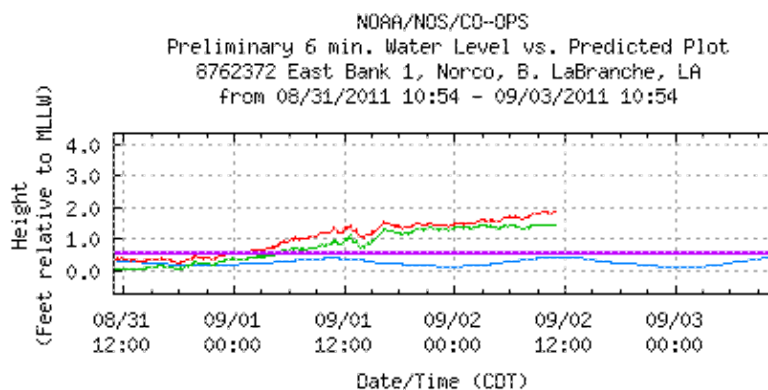


water temp. — air temp —

Last Observed Sample: 09/02/2011 10:48 (CDT)

Water Temperature: 84.6° F Air Temperature: 80.1° F

East Bank 1, Norco, B. LaBranche, LA - Return to List



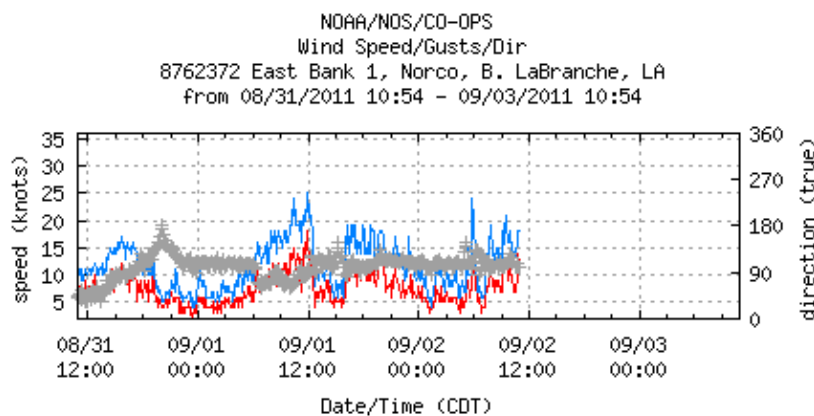
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/02/2011 10:54 (CDT)

Relative to MLLW: **Observed: 1.85 ft.** **Predicted: 0.41 ft.** **Residual: 1.44 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List

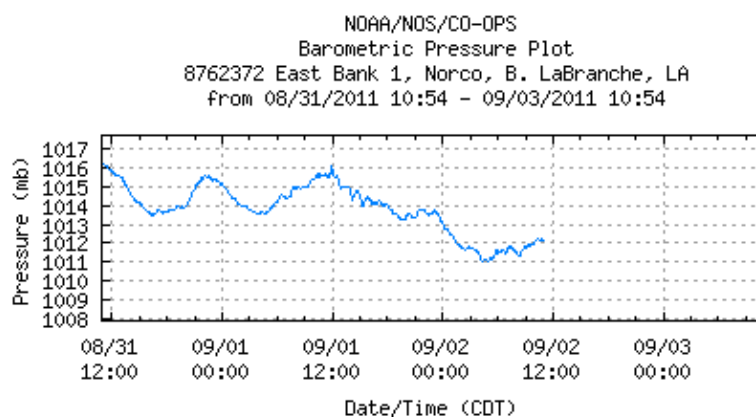


speed — gusts — direction +

Last Observed Sample: 09/02/2011 10:54 (CDT)

Wind Speed: 12 knots **Gusts: 18 knots** **Direction: 101° T**

East Bank 1, Norco, B. LaBranche, LA - Return to List

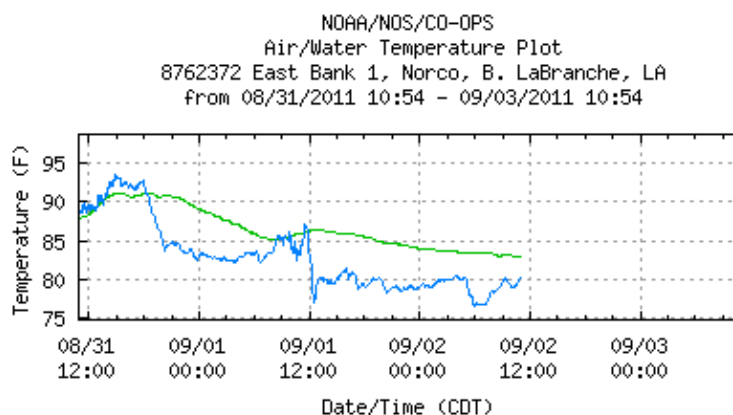


barometric pressure —

Last Observed Sample: 09/02/2011 10:54 (CDT)

Barometric Pressure: 1012.1 mb

East Bank 1, Norco, B. LaBranche, LA - Return to List

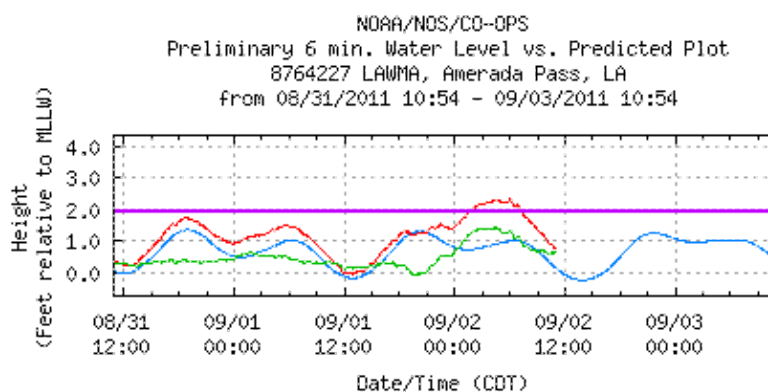


water temp. — air temp —

Last Observed Sample: 09/02/2011 10:54 (CDT)

Water Temperature: 83.0° F Air Temperature: 80.2° F

[LAWMA, Amerada Pass, LA - Return to List](#)

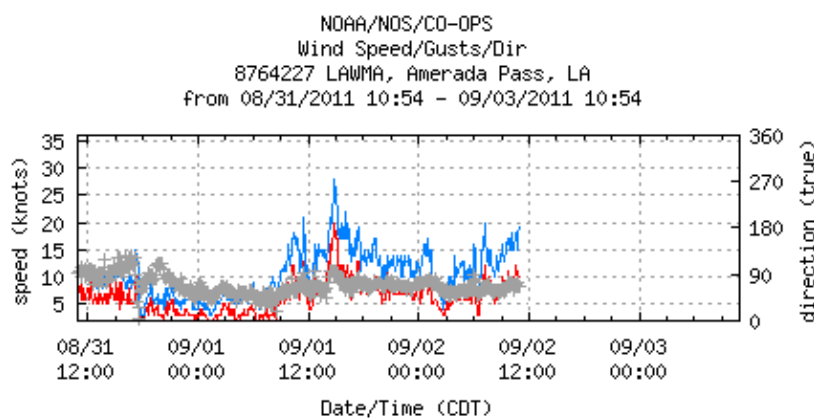


Last Observed Sample: 09/02/2011 10:54 (CDT)

Relative to MLLW: **Observed: 0.79 ft.** **Predicted: 0.17 ft.** **Residual: 0.62 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

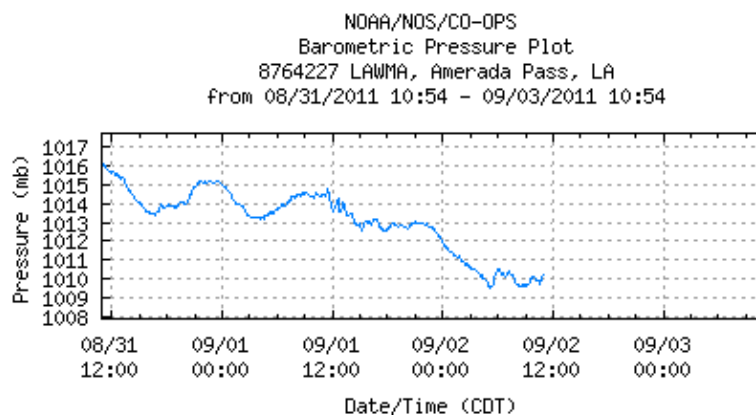
[LAWMA, Amerada Pass, LA - Return to List](#)



Last Observed Sample: 09/02/2011 10:54 (CDT)

Wind Speed: 10 knots **Gusts: 19 knots** **Direction: 66° T**

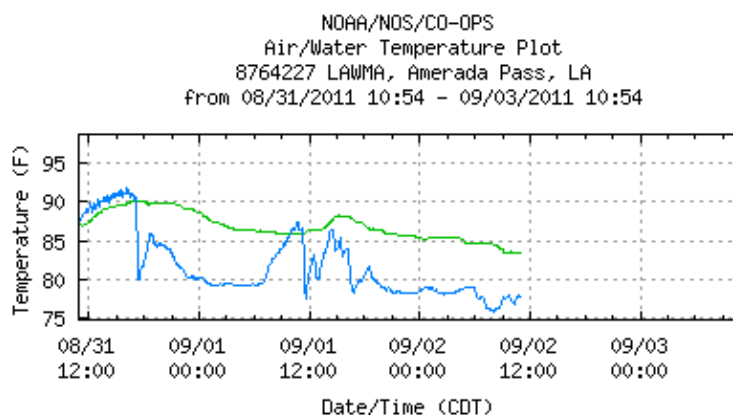
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 10:54 (CDT)

Barometric Pressure: 1010.2 mb

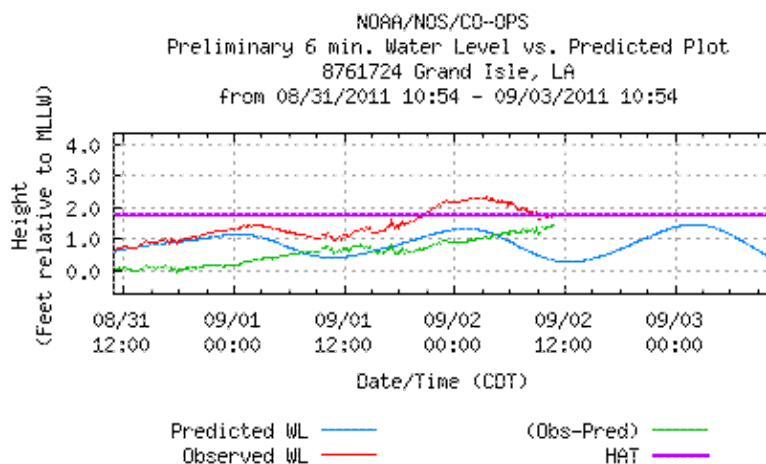
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 10:54 (CDT)

Water Temperature: 83.3° F Air Temperature: 77.7° F

Grand Isle, LA - Return to List

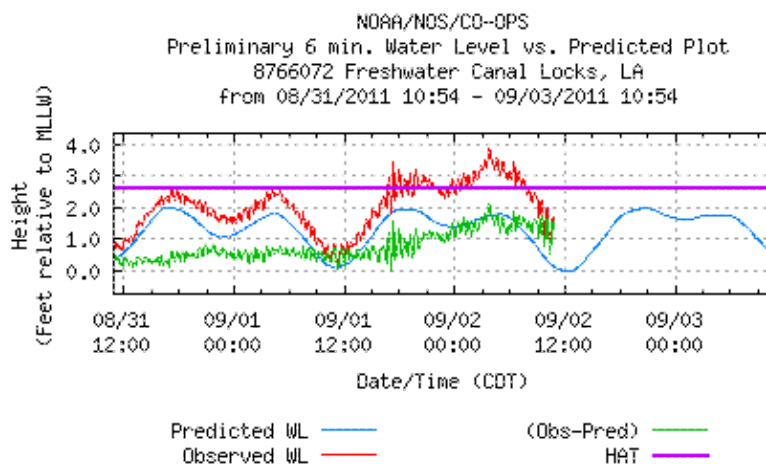


Last Observed Sample: 09/02/2011 10:48 (CDT)

Relative to MLLW: **Observed: 1.77 ft.** **Predicted: 0.32 ft.** **Residual: 1.45 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

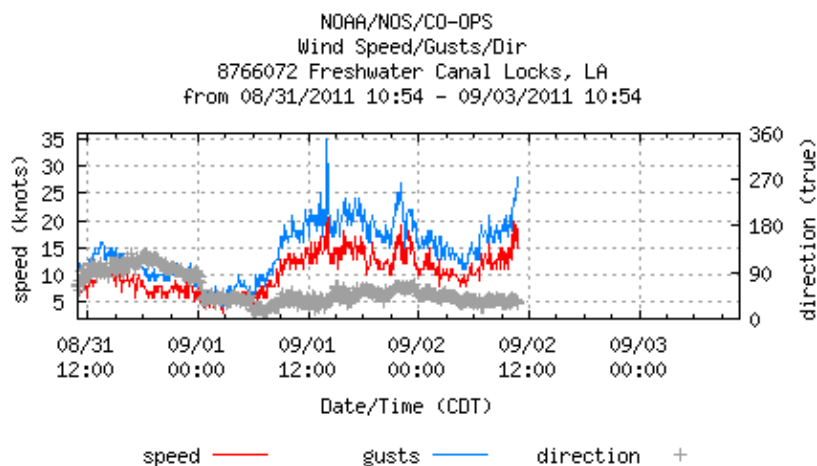


Last Observed Sample: 09/02/2011 10:48 (CDT)

Relative to MLLW: **Observed: 1.43 ft.** **Predicted: 0.12 ft.** **Residual: 1.31 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

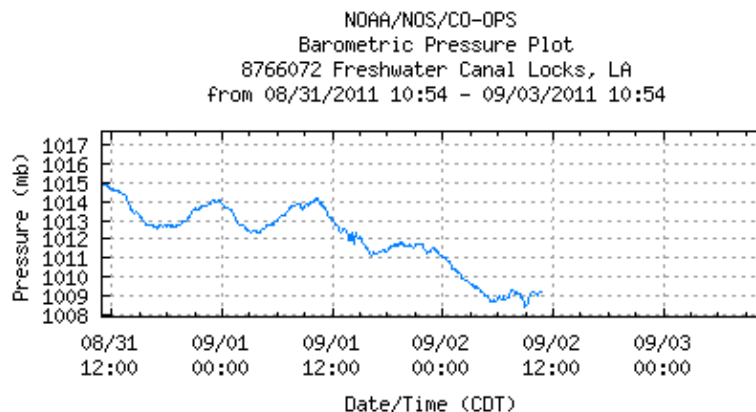
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/02/2011 10:48 (CDT)

Wind Speed: 15 knots Gusts: 28 knots Direction: 34° T

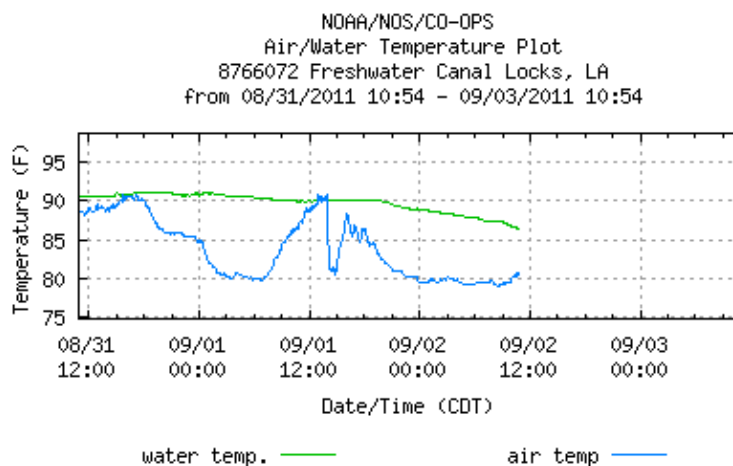
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/02/2011 10:48 (CDT)

Barometric Pressure: 1009.2 mb

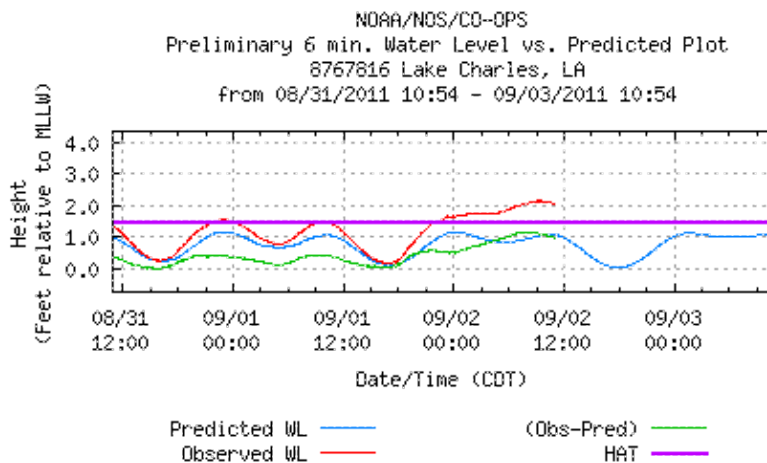
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/02/2011 10:48 (CDT)

Water Temperature: 86.5° F Air Temperature: 80.6° F

Lake Charles, LA - Return to List

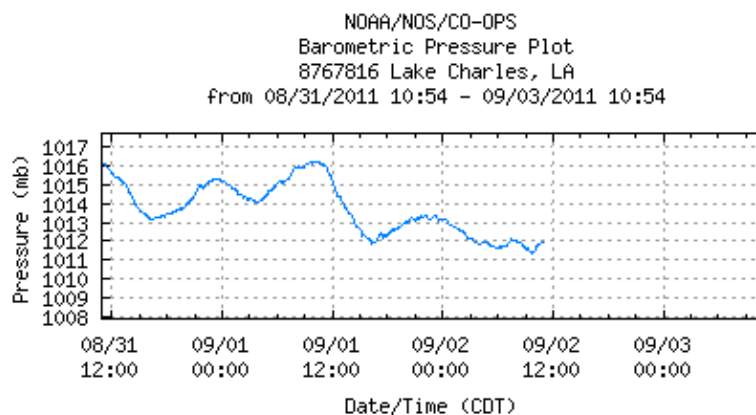


Last Observed Sample: 09/02/2011 10:54 (CDT)

Relative to MLLW: Observed: 2.05 ft. Predicted: 1.07 ft. Residual: 0.98 ft.

Historical Maximum Water Level: Oct 16 2006, 2.22 ft. above MHHW

[Lake Charles, LA - Return to List](#)

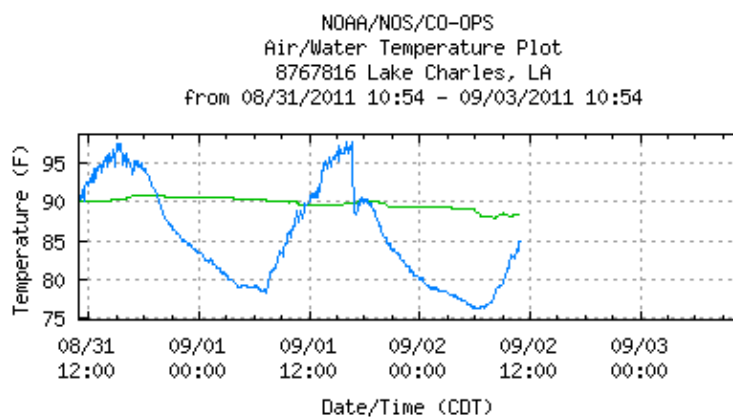


barometric pressure —

Last Observed Sample: 09/02/2011 10:54 (CDT)

Barometric Pressure: 1011.9 mb

[Lake Charles, LA - Return to List](#)

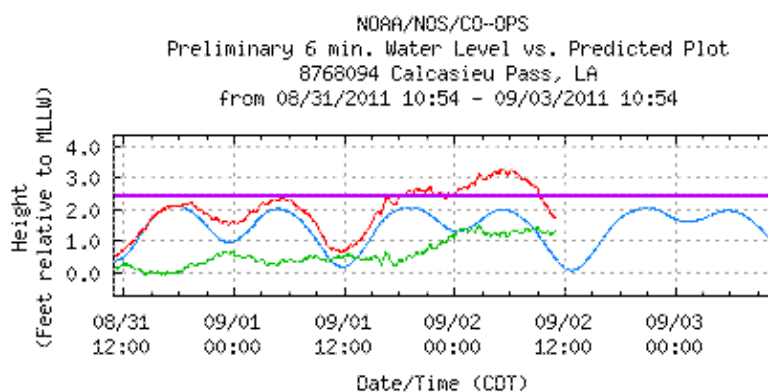


water temp. — air temp —

Last Observed Sample: 09/02/2011 10:54 (CDT)

Water Temperature: n/a Air Temperature: 84.8° F

Calcasieu Pass, LA - Return to List



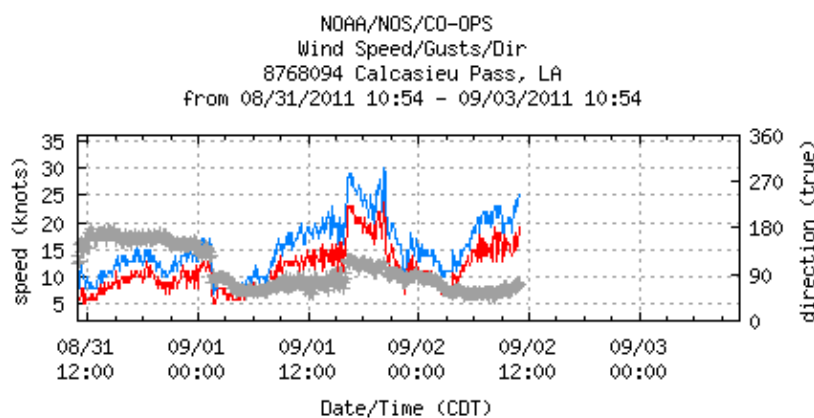
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/02/2011 10:54 (CDT)

Relative to MLLW: **Observed: 1.76 ft.** **Predicted: 0.46 ft.** **Residual: 1.30 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

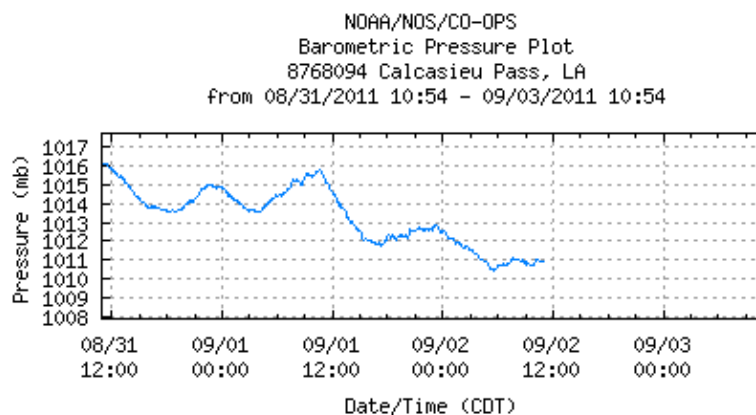


speed — gusts — direction +

Last Observed Sample: 09/02/2011 10:54 (CDT)

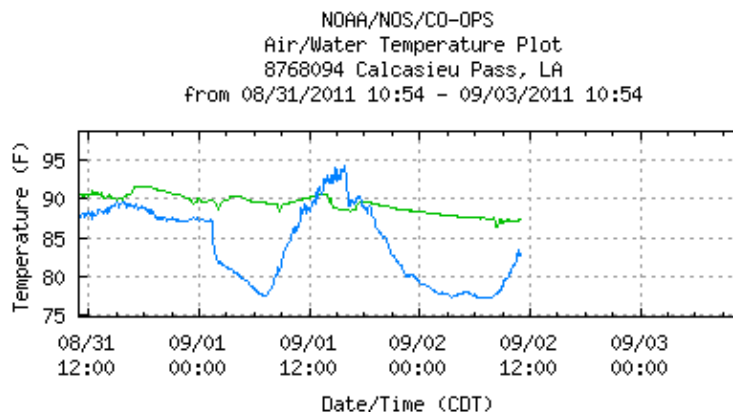
Wind Speed: 19 knots **Gusts: 25 knots** **Direction: 70° T**

Calcasieu Pass, LA - Return to List



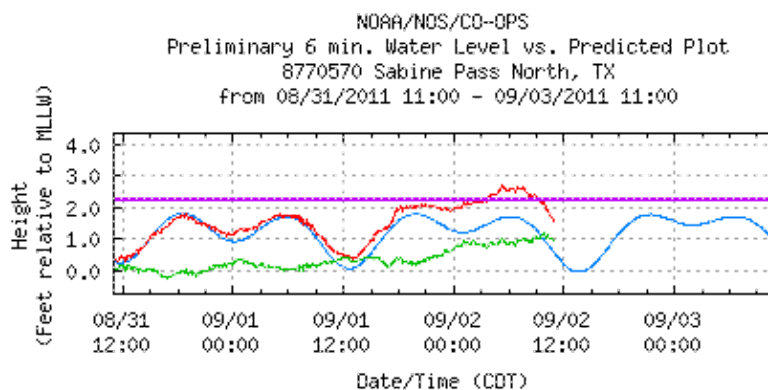
barometric pressure —
Last Observed Sample: 09/02/2011 10:54 (CDT)
Barometric Pressure: 1010.9 mb

Calcasieu Pass, LA - Return to List



water temp. — air temp —
Last Observed Sample: 09/02/2011 10:54 (CDT)
Water Temperature: 87.3° F Air Temperature: 82.7° F

Sabine Pass North, TX - Return to List

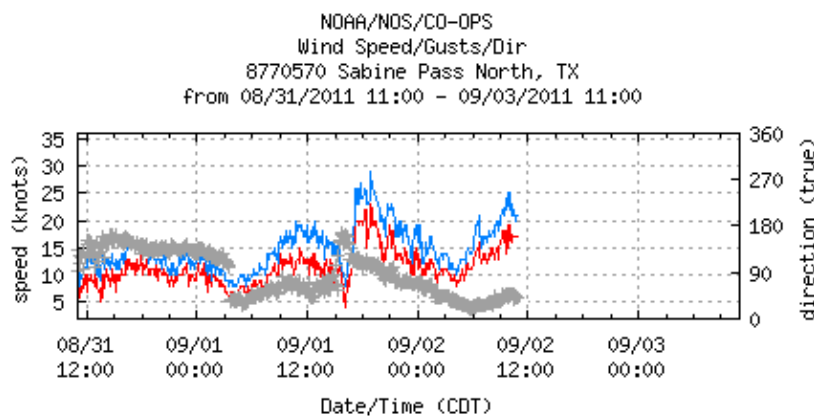


Last Observed Sample: 09/02/2011 10:48 (CDT)

Relative to MLLW: **Observed: 1.56 ft.** **Predicted: 0.61 ft.** **Residual: 0.95 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

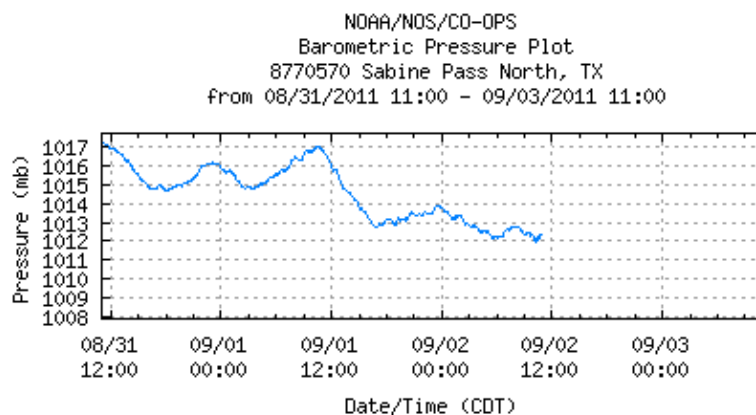
Sabine Pass North, TX - Return to List



Last Observed Sample: 09/02/2011 10:48 (CDT)

Wind Speed: 17 knots **Gusts: 21 knots** **Direction: 42° T**

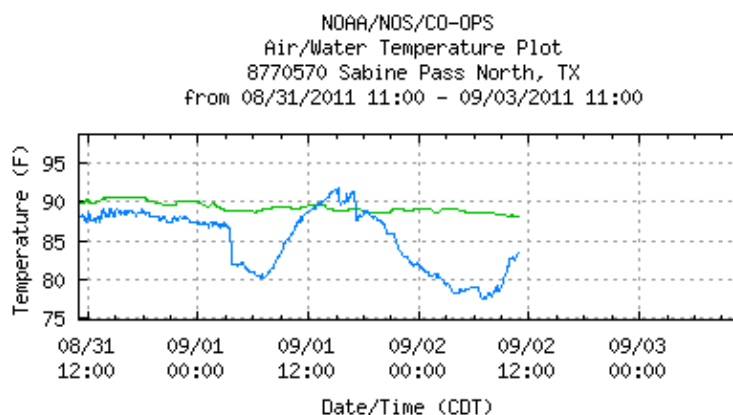
[Sabine Pass North, TX - Return to List](#)



Last Observed Sample: 09/02/2011 10:48 (CDT)

Barometric Pressure: 1012.3 mb

[Sabine Pass North, TX - Return to List](#)



Last Observed Sample: 09/02/2011 10:48 (CDT)

Water Temperature: 88.2° F Air Temperature: 83.3° F

Tropical Depression THIRTEEN QuickLook, POSTED 11:00 CDT 09/02/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce